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(71)Applicant : NISSAN MOTOR CO LTD

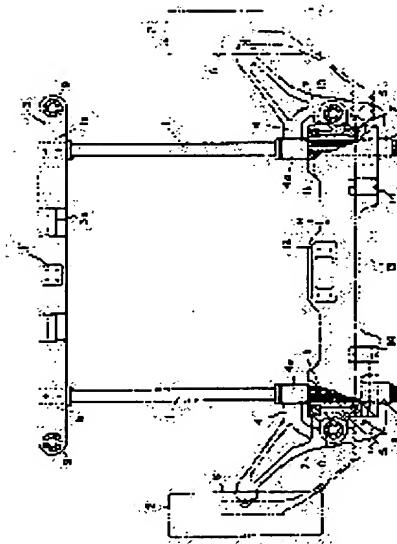
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(72)Inventor : KUBOTSUKA TAKAO
SHIBUYA HIROHIKO**(54) FRONT SUSPENSION SYSTEM****(57)Abstract:**

PURPOSE: To achieve a reduction in height, an enlargement in an engine room, and a reduction in weight by forming a subframe arranged nearly in parallel crosses with right and left longitudinally arranged torsion bar springs and with front and rear cross members, and by elastically supporting the subframe on a vehicle body.

CONSTITUTION: The front end parts 1a of a pair of right and left longitudinally arranged torsion bar springs 1 are rigidly fixed to a front cross member 3 by means of bolts. On the other hand, the front and rear pivotal parts 4a, 4b of a lower link 4 are engaged with the spline part 1b formed in the rear part of each torsion bar spring 1, and an inner sleeve 5 is spline-connected between both pivotal parts 4a and 4b. Each end of a rear cross member 8 is rotatably supported on the outer circumference of this inner sleeve 5 via a rolling bearing 7, and a subframe arranged nearly in parallel crosses is formed by these two longitudinally arranged torsion bar springs 1, and the front and rear cross members 3, 8.

And the subframe is fitted to a vehicle body via elastic bodies 9, 10 that have been provided in the vehicle-body supporting parts 3b, 8a (not shown) of the respective cross members 3, 8.

**LEGAL STATUS**

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